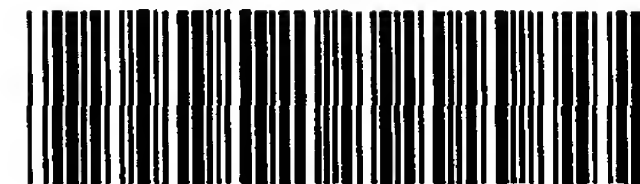


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PATENT APPLICATION: US/10/038,557A

DATE: 06/17/2002

TIME: 14:56:55

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C--> 3 <110> APPLICANT: Fredeking, Terry M.
4 Ignatyev, George M.
6 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING HEMORRHAGIC VIRUS
7 INFECTIONS AND OTHER DISORDERS
9 <130> FILE REFERENCE: 24881-301D
11 <140> CURRENT APPLICATION NUMBER: US/10/038,557A
12 <141> CURRENT FILING DATE: 2002-06-05
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30 <213> ORGANISM: Homo sapiens
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35 <300> PUBLICATION INFORMATION:
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37 <309> DATABASE ENTRY DATE: 1994-12-13
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46 Lys Ser Phe Tyr His Val Ser Tyr Gly Pro Leu His Glu Gly Cys Met
47 35 40 45
49 Asp Gln Ser Val Ser Leu Ser Ile Ser Glu Thr Ser Lys Thr Ser Lys
50 50 55 60
52 Leu Thr Phe Lys Glu Ser Met Val Val Val Ala Thr Asn Gly Lys Val
53 65 70 75 80
55 Leu Lys Lys Arg Arg Leu Ser Leu Ser Gln Ser Ile Thr Asp Asp Asp
56 85 90 95
58 Leu Glu Ala Ile Ala Asn Asp Ser Glu Glu Glu Ile Ile Lys Pro Arg
59 100 105 110
61 Ser Ala Pro Phe Ser Phe Leu Ser Asn Val Lys Tyr Asn Phe Met Arg
62 115 120 125
64 Ile Ile Lys Tyr Glu Phe Ile Leu Asn Asp Ala Leu Asn Gln Ser Ile
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70  Asp Glu Ala Val Lys Phe Asp Met Gly Ala Tyr Lys Ser Ser Lys Asp
71                      165                      170                      175
73  Asp Ala Lys Ile Thr Val Ile Leu Arg Ile Ser Lys Thr Gln Leu Tyr
74                      180                      185                      190
76  Val Thr Ala Gln Asp Glu Asp Gln Pro Val Leu Leu Lys Glu Met Pro
77                      195                      200                      205
79  Glu Ile Pro Lys Thr Ile Thr Gly Ser Glu Thr Asn Leu Leu Phe Phe
80                      210                      215                      220
82  Trp Glu Thr His Gly Thr Lys Asn Tyr Phe Thr Ser Val Ala His Pro
83  225                      230                      235                      240
85  Asn Leu Phe Ile Ala Thr Lys Gln Asp Tyr Trp Val Cys Leu Ala Gly
86                      245                      250                      255
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102 <308> DATABASE ACCESSION NO: P01584/Genbank
103 <309> DATABASE ENTRY DATE: 1986-07-21
105 <400> SEQUENCE: 2
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113                      35                      40                      45
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116                      50                      55                      60
118 Ala Ser Val Val Val Ala Met Asp Lys Leu Arg Lys Met Leu Val Pro
119  65                      70                      75                      80
121 Cys Pro Gln Thr Phe Gln Glu Asn Asp Leu Ser Thr Phe Phe Pro Phe
122                      85                      90                      95
124 Ile Phe Glu Glu Glu Pro Ile Phe Phe Asp Thr Trp Asp Asn Glu Ala
125                      100                     105                     110
127 Tyr Val His Asp Ala Pro Val Arg Ser Leu Asn Cys Thr Leu Arg Asp
128                      115                     120                     125
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131                      130                     135                     140
133 Leu His Leu Gln Gly Gln Asp Met Glu Gln Gln Val Val Phe Ser Met
134 145                      150                      155                      160
136 Ser Phe Val Gln Gly Glu Glu Ser Asn Asp Lys Ile Pro Val Ala Leu
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139 Gly Leu Lys Glu Lys Asn Leu Tyr Leu Ser Cys Val Leu Lys Asp Asp

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147           210           215           220
149 Lys Leu Glu Phe Glu Ser Ala Gln Phe Pro Asn Trp Tyr Ile Ser Thr
150           225           230           235           240
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178 Val Ser Ser Ala Asn Glu Ile Asp Val Arg Pro Cys Pro Leu Asn Pro
179           35           40           45
181 Asn Glu His Lys Lys Gly Thr Ile Thr Trp Tyr Lys Asp Asp Ser Lys Thr
182           50           55           60
184 Pro Val Ser Thr Glu Gln Ala Ser Arg Ile His Gln His Lys Glu Lys
185           65           70           75           80
187 Leu Trp Phe Val Pro Ala Lys Val Glu Asp Ser Gly His Tyr Tyr Cys
188           85           90           95
190 Val Val Arg Asn Ser Ser Tyr Cys Leu Arg Ile Lys Ile Ser Ala Lys
191           100          105          110
193 Phe Val Glu Asn Glu Pro Asn Leu Cys Tyr Asn Ala Gln Ala Ile Phe
194           115          120          125
196 Lys Gln Lys Leu Pro Val Ala Gly Asp Gly Gly Leu Val Cys Pro Tyr
197           130          135          140
199 Met Glu Phe Phe Lys Asn Glu Asn Asn Glu Leu Pro Lys Leu Gln Trp
200           145          150          155          160
202 Tyr Lys Asp Cys Lys Pro Leu Leu Leu Asp Asn Ile His Phe Ser Gly
203           165          170          175
205 Val Lys Asp Arg Leu Ile Val Met Asn Val Ala Glu Lys His Arg Gly
206           180          185          190
208 Asn Tyr Thr Cys His Ala Ser Tyr Thr Tyr Leu Gly Lys Gln Tyr Pro
209           195          200          205
211 Ile Thr Arg Val Ile Glu Phe Ile Thr Leu Glu Glu Asn Lys Pro Thr
212           210          215          220

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221 260 265 270
223 Val Leu Gly Glu Asp Tyr Tyr Ser Val Glu Asn Pro Ala Asn Lys Arg
224 275 280 285
226 Arg Ser Thr Leu Ile Thr Val Leu Asn Ile Ser Glu Ile Glu Ser Arg
227 290 295 300
229 Phe Tyr Lys His Pro Phe Thr Cys Phe Ala Lys Asn Thr His Gly Ile
230 305 310 315 320
232 Asp Ala Ala Tyr Ile Gln Leu Ile Tyr Pro Val Thr Asn Phe Gln Lys
233 325 330 335
235 His Met Ile Gly Ile Cys Val Thr Leu Thr Val Ile Ile Val Cys Ser
236 340 345 350
238 Val Phe Ile Tyr Lys Ile Phe Lys Ile Asp Ile Val Leu Trp Tyr Arg
239 355 360 365
241 Asp Ser Cys Tyr Asp Phe Leu Pro Ile Lys Ala Ser Asp Gly Lys Thr
242 370 375 380
244 Tyr Asp Ala Tyr Ile Leu Tyr Pro Lys Thr Val Gly Glu Gly Ser Thr
245 385 390 395 400
247 Ser Asp Cys Asp Ile Phe Val Phe Lys Val Leu Pro Glu Val Leu Glu
248 405 410 415
250 Lys Gln Cys Gly Tyr Lys Leu Phe Ile Tyr Gly Arg Asp Asp Tyr Val
251 420 425 430
253 Gly Glu Asp Ile Val Glu Val Ile Asn Glu Asn Val Lys Lys Ser Arg
254 435 440 445
256 Arg Leu Ile Ile Ile Leu Val Arg Glu Thr Ser Gly Phe Ser Trp Leu
257 450 455 460
259 Gly Gly Ser Ser Glu Glu Gln Ile Ala Met Tyr Asn Ala Leu Val Gln
260 465 470 475 480
262 Asp Gly Ile Lys Val Val Leu Leu Glu Leu Glu Lys Ile Gln Asp Tyr
263 485 490 495
265 Glu Lys Met Pro Glu Ser Ile Lys Phe Ile Lys Gln Lys His Gly Ala
266 500 505 510
268 Ile Arg Trp Ser Gly Asp Phe Thr Gln Gly Pro Gln Ser Ala Lys Thr
269 515 520 525
271 Arg Phe Trp Lys Asn Val Arg Tyr His Met Pro Val Gln Arg Arg Ser
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300           35           40           45
302 Arg Cys Pro Gln Val Pro Tyr Trp Leu Trp Ala Ser Val Ser Pro Arg
303           50           55           60
305 Ile Asn Leu Thr Trp His Lys Asn Asp Ser Ala Arg Thr Val Pro Gly
306           65           70           75           80
308 Glu Glu Glu Thr Arg Met Trp Ala Gln Asp Gly Ala Leu Trp Leu Leu
309           85           90           95
311 Pro Ala Leu Gln Glu Asp Ser Gly Thr Tyr Val Cys Thr Thr Arg Asn
312           100          105          110
314 Ala Ser Tyr Cys Asp Lys Met Ser Ile Glu Leu Arg Val Phe Glu Asn
315           115          120          125
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321           145          150          155          160
323 Asp Lys Thr Asp Val Lys Ile Gln Trp Tyr Lys Asp Ser Leu Leu Leu
324           165          170          175
326 Asp Lys Asp Asn Glu Lys Phe Leu Ser Val Arg Gly Thr Thr His Leu
327           180          185          190
329 Leu Val His Asp Val Ala Leu Glu Asp Ala Gly Tyr Tyr Arg Cys Val
330           195          200          205
332 Leu Thr Phe Ala His Glu Gly Gln Gln Tyr Asn Ile Thr Arg Ser Ile
333           210          215          220
335 Glu Leu Arg Ile Lys Lys Lys Lys Glu Glu Thr Ile Pro Val Ile Ile
336           225          230          235          240
338 Ser Pro Leu Lys Thr Ile Ser Ala Ser Leu Gly Ser Arg Leu Thr Ile
339           245          250          255
341 Pro Cys Lys Val Phe Leu Gly Thr Gly Thr Pro Leu Thr Thr Met Leu
342           260          265          270
344 Trp Trp Thr Ala Asn Asp Thr His Ile Glu Ser Ala Tyr Pro Gly Gly
345           275          280          285
347 Arg Val Thr Glu Gly Pro Arg Gln Glu Tyr Ser Glu Asn Asn Glu Asn
348           290          295          300
350 Tyr Ile Glu Val Pro Leu Ile Phe Asp Pro Val Thr Arg Glu Asp Leu
351           305          310          315          320
353 His Met Asp Phe Lys Cys Val Val His Asn Thr Leu Ser Phe Gln Thr
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356 Leu Arg Thr Thr Val Lys Glu Ala Ser Ser Thr Phe Ser Trp Gly Ile
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VERIFICATION SUMMARY

DATE: 06/17/2002

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